

# ABSTRACT of Taiwan Patent Publication No.TW 507896

The present utility model application relates to a hot swapping hot insertion device for an ATA interface. The hot swapping hot insertion device at least comprises an IDE disk controller for processing an IDE instruction transmitted from the ATA interface. The hot swapping hot insertion device is characterized in that the IDE disk controller at least comprises a program code that is executed by the IDE disk controller, wherein the program code is used to respond to a virtual storage device to the ATA interface if the IDE disk controller is not connected to a physical storage device or is not connected to the physical storage device via the ATA interface. The ATA interface will receive a response of connecting to the physical storage device if the physical storage device connects the IDE disk controller or connects the IDE disk controller via the ATA interface.